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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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* * * * * * * * * *
                     Welcome to STN International
                 Web Page for STN Seminar Schedule - N. America
NEWS
NEWS
      2 NOV 21
                 CAS patent coverage to include exemplified prophetic
                 substances identified in English-, French-, German-,
                 and Japanese-language basic patents from 2004-present
         NOV 26
                 MARPAT enhanced with FSORT command
NEWS 3
         NOV 26
NEWS
                 CHEMSAFE now available on STN Easy
         NOV 26
NEWS 5
                 Two new SET commands increase convenience of STN
                 searching
         DEC 01
                 ChemPort single article sales feature unavailable
NEWS 6
NEWS
         DEC 12
                 GBFULL now offers single source for full-text
                 coverage of complete UK patent families
NEWS 8
         DEC 17
                 Fifty-one pharmaceutical ingredients added to PS
NEWS
         JAN 06
                 The retention policy for unread STNmail messages
                 will change in 2009 for STN-Columbus and STN-Tokyo
         JAN 07
                 WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
NEWS 10
                 Classification Data
NEWS 11 FEB 02
                 Simultaneous left and right truncation (SLART) added
                 for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
             AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS LOGIN
              Welcome Banner and News Items
NEWS IPC8
              For general information regarding STN implementation of IPC 8
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FILE 'HOME' ENTERED AT 16:28:03 ON 10 FEB 2009

=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION
0.88 0.88

FULL ESTIMATED COST

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http://www.cas.org/support/stngen/stndoc/properties.html

=>

Uploading C:\Program Files\Stnexp\Queries\10572937claim103.str

chain nodes :

<12/04/2007>

Erich Leese

10/513699

21 22 23 24 25 26 27 28 29 30 32 34 37 ring nodes : $1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12 \quad 13 \quad 14 \quad 15 \quad 16 \quad 17 \quad 18 \quad 19 \quad 20$ chain bonds : 8-28 8-29 10-22 13-23 15-21 16-37 17-30 21-37 23-34 23-24 23-32 24-25 24-26 26-27 ring bonds : $1 - 2 \quad 1 - 6 \quad 2 - 3 \quad 3 - 4 \quad 4 - 5 \quad 4 - 7 \quad 5 - 6 \quad 5 - 9 \quad 7 - 8 \quad 8 - 9 \quad 10 - 11 \quad 10 - 15 \quad 11 - 12 \quad 12 - 13 \quad 13 - 14$ 14-15 16-17 16-20 17-18 18-19 19-20 exact/norm bonds : $10-22 \quad 15-21 \quad 16-20 \quad 16-37 \quad 17-30 \quad 19-20 \quad 21-37 \quad 23-34 \quad 23-32 \quad 24-25 \quad 24-26 \quad 26-27 \quad 23-34 \quad 23-32 \quad 24-25 \quad 24-26 \quad 26-27 \quad 26-2$ exact bonds : 4-7 5-9 7-8 8-9 8-28 8-29 13-23 16-17 17-18 18-19 23-24normalized bonds : $1-2 \quad 1-6 \quad 2-3 \quad 3-4 \quad 4-5 \quad 5-6 \quad 10-11 \quad 10-15 \quad 11-12 \quad 12-13 \quad 13-14 \quad 14-15$ isolated ring systems : containing 1 : 10 : 16 :

G1:C,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 32:CLASS 34:CLASS 36:Atom 37:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS L1 STR

$$G1$$
 $G1$
 Ak
 N
 Ak

G1 C,H

<12/04/2007>

Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 16:30:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 130 TO ITERATE

100.0% PROCESSED 130 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

L2 4 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
185.88
186.76

FILE 'CAPLUS' ENTERED AT 16:30:59 ON 10 FEB 2009
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FILE COVERS 1907 - 10 Feb 2009 VOL 150 ISS 7 FILE LAST UPDATED: 9 Feb 2009 (20090209/ED)

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Erich Leese

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12 full L3 1 L2

=> d ibib abs hitstr tot

<12/04/2007>

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:283476 CAPLUS

DOCUMENT NUMBER: 142:355258

TITLE: Preparation of azole compounds containing phenylacetic

acid moiety as PPAR δ agonists

INVENTOR(S): Kusuda, Shinya; Nakayama, Yoshisuke; Tajima, Hisao;

Sakamoto, Takahiko

PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA	PATENT NO.						KIND DATE				PLICAT	DATE							
WO	WO 2005028453					A1 20050331				WO	2004-	 JP14		20040921					
	W:	ΑE,	AG,	AL,	AM,	AT,	ΑU,	AZ,	BA,	BE	3, BG,	BR,	BW,	BY,	BZ,	CA,	CH,		
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ	Z, EC,	EE,	EG,	ES,	FI,	GB,	GD,		
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS	S, JP,	ΚE,	KG,	KP,	KR,	KΖ,	LC,		
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG	G, MK,	MN,	MW,	MX,	MZ,	NA,	NI,		
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU	J, SC,	SD,	SE,	SG,	SK,	SL,	SY,		
		ΤJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US	S, UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW		
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SI), SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,		
		ΑZ,	BY,	KG,	KΖ,	MD,	RU,	ТJ,	TM,	ΑI	BE,	BG,	CH,	CY,	CZ,	DE,	DK,		
		EE,	ES,	FΙ,	FR,	GB,	GR,	HU,	ΙE,	ΓI	C, LU,	MC,	NL,	PL,	PT,	RO,	SE,		
		SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	$\mathbb{C}\mathbb{M}$	1, GA,	GN,	GQ,	GW,	$\mathrm{ML}_{{}_{\!{}^{\prime}}}$	MR,	ΝE,		
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EP					A1 20060607														
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	2004												20040921						
	CN 1882553				A	2006	1220		CN	2004-	8003	20040921							
	NO 2006001281 IN 2006CN00975																		
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						A 20061					2006-								
	US 20070105868					A1 20070510													
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											2004-					0040			
								0 = = 0		WO	2004-	JP14	T37		w 2	0040	921		

OTHER SOURCE(S): MARPAT 142:355258

GI

$$F_3C \xrightarrow{\qquad \qquad N \qquad \qquad N \qquad \qquad OH \qquad \qquad \\ S \xrightarrow{\qquad \qquad Me \qquad \qquad II}$$

$$F_3C \xrightarrow{N} \underbrace{N}_{Me} \xrightarrow{O} \underbrace{N}_{O} \xrightarrow{F} OH$$

Title compds. I [R1, R2 = H, alkyl, etc.; R3 = optionally substituted alkyl with halo, etc.; R4 = H, alkyl; R5, R6 = H, alkyl; further detail on R5, R6 is provided.; X = S, O, etc.; ring A = optionally substituted cyclic group] were prepared For example, reaction of compound II, e.g., prepared from 4-(trifluoromethyl)piperidine·HCl in 5 steps, with 2-fluoro-3-hydroxyphenylacetic acid Me ester under Mitsunobu condition followed by hydrolysis using aqueous NaOH afforded compound III. The exemplified compound III exhibited 1.23 fold increase for PPAR δ at 1.0 μ M. Compds. I are claimed useful as PPAR δ agonists for the treatment of hyperlipidemia, obesity. Formulations are given.

IT 848943-42-0P 848943-44-2P 848943-46-4P 848943-47-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of azole compds. containing phenylacetic acid moiety as PPAR agonists for treatment of hyperlipidemia, obesity)

RN 848943-42-0 CAPLUS

CN Benzeneacetic acid, 3-[2-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)-5-methyl-4-oxazolyl]ethoxy]-4-methyl- (CA INDEX NAME)

RN 848943-44-2 CAPLUS

CN Benzeneacetic acid, 3-[2-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)-5-propyl-4-oxazolyl]ethoxy]-4-methyl- (CA INDEX NAME)

RN 848943-46-4 CAPLUS

CN Benzeneacetic acid, 3-[2-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)-5-(1-methylethyl)-4-oxazolyl]ethoxy]-4-methyl- (CA INDEX NAME)

RN 848943-47-5 CAPLUS

CN Benzeneacetic acid, 3-[2-[2-(2,2-difluoro-1,3-benzodioxol-5-yl)-5-ethyl-4-oxazolyl]ethoxy]-4-methyl- (CA INDEX NAME)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg
COST IN U.S. DOLLARS

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
8.14
194.90

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
ENTRY
SESSION

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-0.82
-0.82

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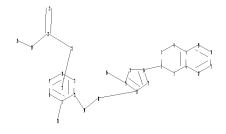
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http://www.cas.org/support/stngen/stndoc/properties.html

=>

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chain nodes : ring nodes : $1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12 \quad 13 \quad 14 \quad 15 \quad 16 \quad 17 \quad 29 \quad 30 \quad 31 \quad 32$ chain bonds : 2-16 7-20 12-19 13-18 14-26 18-19 21-22 22-23 22-24 24-25 ring bonds : $1 - 2 \quad 1 - 6 \quad 2 - 3 \quad 3 - 4 \quad 4 - 5 \quad 5 - 6 \quad 5 - 29 \quad 6 - 32 \quad 7 - 8 \quad 7 - 12 \quad 8 - 9 \quad 9 - 10 \quad 10 - 11 \quad 11 - 12 \quad 13 - 14$ 13-17 14-15 15-16 16-17 29-30 30-31 31-32 exact/norm bonds : $1-2 \quad 1-6 \quad 2-3 \quad 2-16 \quad 3-4 \quad 4-5 \quad 7-20 \quad 12-19 \quad 13-17 \quad 13-18 \quad 14-26 \quad 16-17 \quad 18-19$ 21-22 22-23 22-24 24-25 exact bonds : 13-14 14-15 15-16 normalized bonds : 5-6 5-29 6-32 7-8 7-12 8-9 9-10 10-11 11-12 29-30 30-31 31-32isolated ring systems : containing 1:7:13:

G1:C,H

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom

L4 STRUCTURE UPLOADED

=> d 14 L4 HAS NO ANSWERS L4 STR

G1 C,H

Structure attributes must be viewed using STN Express query preparation.

1 ANSWERS

=> s 14 full

FULL SEARCH INITIATED 16:34:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 53382 TO ITERATE

100.0% PROCESSED 53382 ITERATIONS

SEARCH TIME: 00.00.02

L5 1 SEA SSS FUL L4

=> file caplus

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
185.88
380.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL
ENTRY SESSION

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0.00 -0.82

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=> s 15 full L6 1 L5

=> d ibib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:283476 CAPLUS

DOCUMENT NUMBER: 142:355258

Preparation of azole compounds containing phenylacetic TITLE:

acid moiety as PPAR δ agonists

INVENTOR(S): Kusuda, Shinya; Nakayama, Yoshisuke; Tajima, Hisao;

Sakamoto, Takahiko

Ono Pharmaceutical Co., Ltd., Japan PATENT ASSIGNEE(S):

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA	TENT	NO.		KIN	KIND DATE APPLICAT							ION I	NO.		DATE						
WC	WO 2005028453					A1 20050331				WO	200	04-J	JP14:		2	0040	 921				
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BE	3, E	ВG,	BR,	BW,	BY,	BZ,	CA,	CH,			
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	D2	Ζ, Ε	EC,	EE,	EG,	ES,	FΙ,	GB,	GD,			
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	ΙS	3, 3	JP,	KE,	KG,	KP,	KR,	KΖ,	LC,			
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MO	3, N	ΜK,	MN,	MW,	MX,	MΖ,	NA,	NI,			
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU	J, S	SC,	SD,	SE,	SG,	SK,	SL,	SY,			
							TZ,														
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SI	, s	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,			
							RU,														
		EE,	ES,	FI,	FR.	GB,	GR,	HU,	IE,	ΙΊ	, I	LU,	MC,	NL,	PL,	PT,	RO,	SE.			
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AU						A1 20050331					AU 2004-274337						20040921				
	CA 2539554																				
						A1 20060607															
							ES,														
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BR	BR 2004014580					A 20061107								20040921							
CN	CN 1882553					A 20061220					200	0.4 - 8	3003:	20040921							
	NO 2006001281																				
IN	TN 2006CN00975					A 20070615					IN 2006-CN975										
									MX 2006-3205												
	KR 2006121884																				
	US 20070105868																				
	RIORITY APPLN. INFO.:						200,	0010													
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														137			0040				
OTHER S	THER SOURCE(S).					TAG	142.	5.8	,,,	200	0 1 (,			0010	<i>,</i>					

OTHER SOURCE(S): MARPAT 142:355258

GΙ

$$F_3C$$
 N Me II

$$F_3C \xrightarrow{N} \underbrace{N}_{Me} \xrightarrow{O} \underbrace{N}_{O} \xrightarrow{F} OH$$

Title compds. I [R1, R2 = H, alkyl, etc.; R3 = optionally substituted alkyl with halo, etc.; R4 = H, alkyl; R5, R6 = H, alkyl; further detail on R5, R6 is provided.; X = S, O, etc.; ring A = optionally substituted cyclic group] were prepared For example, reaction of compound II, e.g., prepared from 4-(trifluoromethyl)piperidine·HCl in 5 steps, with 2-fluoro-3-hydroxyphenylacetic acid Me ester under Mitsunobu condition followed by hydrolysis using aqueous NaOH afforded compound III. The exemplified compound III exhibited 1.23 fold increase for PPAR δ at 1.0 μ M. Compds. I are claimed useful as PPAR δ agonists for the treatment of hyperlipidemia, obesity. Formulations are given.

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of azole compds. containing phenylacetic acid moiety as PPAR agonists for treatment of hyperlipidemia, obesity)

RN 848943-61-3 CAPLUS

CN Benzeneacetic acid, 3-[2-[2-(3,4-dihydro-2(1H)-isoquinoliny1)-5-methyl-4-thiazolyl]ethoxy]-4-methyl- (CA INDEX NAME)

$$\begin{array}{c|c} & \text{HO}_2\text{C}-\text{CH}_2\\ \hline \\ \text{N} & \text{CH}_2-\text{CH}_2-\text{O} \\ \hline \\ \text{Me} & \text{Me} \end{array}$$

7

REFERENCE COUNT:

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg
COST IN U.S. DOLLARS

COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
8.14
388.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
ENTRY
SESSION

CA SUBSCRIBER PRICE

-0.82
-1.64

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L7 HAS NO ANSWERS

STR

L7

```
chain nodes :
ring nodes :
1 \quad \bar{2} \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12 \quad 13 \quad 14 \quad 15 \quad 16 \quad 17
chain bonds :
2-16 \quad 11-28 \quad 12-19 \quad 13-18 \quad 14-25 \quad 18-19 \quad 20-21 \quad 21-22 \quad 21-23 \quad 23-24 \quad 30-33 \quad 31-33
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-17
14-15 15-16 16-17
exact/norm bonds :
1-2 \quad 1-6 \quad 2-3 \quad 2-16 \quad 3-4 \quad 4-5 \quad 5-6 \quad 12-19 \quad 13-17 \quad 13-18 \quad 14-25 \quad 16-17 \quad 18-19 \quad 20-21
21-22 21-23 23-24
exact bonds :
11-28 13-14 14-15 15-16 30-33 31-33 32-33
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
containing 1 : 7 : 13 :
G1:C,H
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 28:CLASS 29:Atom 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:Atom
L7 STRUCTURE UPLOADED
=> d 17
```

G1 C, H

Structure attributes must be viewed using STN Express query preparation.

=> s 17 ful FULL SEARCH INITIATED 16:38:09 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 2733 TO ITERATE

100.0% PROCESSED 2733 ITERATIONS 2 ANSWERS

SEARCH TIME: 00.00.01

L8 2 SEA SSS FUL L7

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L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:1388077 CAPLUS

DOCUMENT NUMBER: 149:430

TITLE: Pharmacophore modeling and parallel screening for PPAR

ligands

AUTHOR(S): Markt, Patrick; Schuster, Daniela; Kirchmair, Johannes; Laggner, Christian; Langer, Thierry

CORPORATE SOURCE: Department of Pharmaceutical Chemistry, Institute of

Pharmacy and Center for Molecular Biosciences

Innsbruck (CMBI), University of Innsbruck, Innsbruck,

6020, Austria

SOURCE: Journal of Computer-Aided Molecular Design (2007),

21(10-11), 575-590

CODEN: JCADEQ; ISSN: 0920-654X

PUBLISHER: Springer
DOCUMENT TYPE: Journal
LANGUAGE: English

We describe the generation and validation of pharmacophore models for AB PPARs, as well as a large scale validation of the parallel screening approach by screening PPAR ligands against a large database of structure-based models. A large test set of 357 PPAR ligands was screened against 48 PPAR models to determine the best models for agonists of PPAR- α , PPAR- δ , and PPAR- γ . Afterwards, a parallel screen was performed using the 357 PPAR ligands and 47 structure-based models for PPARs, which were integrated into a 1537 models comprising inhouse pharmacophore database, to assess the enrichment of PPAR ligands within the PPAR hypotheses. For these purposes, we categorized the 1537 database models into 181 protein targets and developed a score that ranks the retrieved targets for each ligand. Thus, we tried to find out if the concept of parallel screening is able to predict the correct pharmacol. target for a set of compds. The PPAR target was ranked first more often than any other target. This confirms the ability of parallel screening to forecast the pharmacol. active target for a set of compds.

IT 848943-49-7

RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pharmacophore modeling and parallel screening for PPAR ligands)

RN 848943-49-7 CAPLUS

CN Benzeneacetic acid, 2-fluoro-3-[2-[5-methyl-2-[4-(trifluoromethyl)-1-piperidinyl]-4-thiazolyl]ethoxy]- (CA INDEX NAME)

REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:283476 CAPLUS

DOCUMENT NUMBER: 142:355258

TITLE: Preparation of azole compounds containing phenylacetic

acid moiety as PPAR δ agonists

INVENTOR(S): Kusuda, Shinya; Nakayama, Yoshisuke; Tajima, Hisao;

Sakamoto, Takahiko

PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG	G, MK	, MN,	MW,	MX,	MZ,	NA,	NΙ,	
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OTHER SOURCE(S): MARPAT 142:355258

GI

$$F_3C$$
 N Me N Me N

$$F_3C \xrightarrow{N} \underbrace{N}_{Me} \xrightarrow{O} \underbrace{N}_{O} \xrightarrow{F} \underbrace{OH}$$

Title compds. I [R1, R2 = H, alkyl, etc.; R3 = optionally substituted alkyl with halo, etc.; R4 = H, alkyl; R5, R6 = H, alkyl; further detail on R5, R6 is provided.; X = S, O, etc.; ring A = optionally substituted cyclic group] were prepared For example, reaction of compound II, e.g., prepared from 4-(trifluoromethyl)piperidine·HCl in 5 steps, with 2-fluoro-3-hydroxyphenylacetic acid Me ester under Mitsunobu condition followed by hydrolysis using aqueous NaOH afforded compound III. The exemplified compound III exhibited 1.23 fold increase for PPAR δ at 1.0 μ M. Compds. I are claimed useful as PPAR δ agonists for the treatment of hyperlipidemia, obesity. Formulations are given.

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of azole compds. containing phenylacetic acid moiety as PPAR agonists for treatment of hyperlipidemia, obesity)

Ι

RN 848943-48-6 CAPLUS

CN Benzeneacetic acid, 2-fluoro-3-[2-[5-methyl-2-[4-(trifluoromethyl)-1-piperidinyl]-4-thiazolyl]ethoxy]-, methyl ester (CA INDEX NAME)

IT 848943-49-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of azole compds. containing phenylacetic acid moiety as PPAR agonists for treatment of hyperlipidemia, obesity)

RN 848943-49-7 CAPLUS

CN Benzeneacetic acid, 2-fluoro-3-[2-[5-methyl-2-[4-(trifluoromethyl)-1-piperidinyl]-4-thiazolyl]ethoxy]- (CA INDEX NAME)

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REFERENCE COUNT:

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L3 1 S L2 FULL

FILE 'REGISTRY' ENTERED AT 16:34:16 ON 10 FEB 2009

STRUCTURE UPLOADED L4

1 S L4 FULL L5

FILE 'CAPLUS' ENTERED AT 16:34:45 ON 10 FEB 2009

L6 1 S L5 FULL

FILE 'REGISTRY' ENTERED AT 16:37:49 ON 10 FEB 2009

L7 STRUCTURE UPLOADED

2 S L7 FUL L8

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L9 2 S L8 FULL

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